INPATIENT MEDICATIONS

NURSE'S USER MANUAL

Version 5.0
January 2005

(Revised December 2005)

Department of Veterans Affairs
VistA Health Systems Design and Development

Revision History

Each time this manual is updated, the Title Page lists the new revised date and this page describes the changes. If the Revised Pages column lists "All," replace the existing manual with the reissued manual. If the Revised Pages column lists individual entries (e.g., 25, 32), either update the existing manual with the Change Pages Document or print the entire new manual.

Date	Revised Pages	Patch Number	Description
12/2005	1, 73-74b	PSJ*5*146	Remote Data Interoperability (RDI) Project: Removed document revision dates in Section 1. Introduction. Updated Section 4.9. Order Checks, to include new functionality for remote order checking. (E. Williamson, PM; M. Newman, Tech. Writer)
01/2005	All	PSJ*5*111	Reissued entire document to include updates for Inpatient Medications Orders for Outpatients and Non-Standard Schedules. (S. Templeton, PM, R. Singer, PM, M. Newman, Tech. Writer)

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1. Introduction

The Inpatient Medications package provides a method of management, dispensing, and administration of inpatient drugs within the hospital. Inpatient Medications combines clinical and patient information that allows each medical center to enter orders for patients, dispense medications by means of Pick Lists, print labels, create Medication Administration Records (MARs), and create Management Reports. Inpatient Medications also interacts with the Computerized Patient Record System (CPRS) and the Bar Code Medication Administration (BCMA) packages to provide more comprehensive patient care.

This user manual is written for the Nursing Staff, the Automated Data Processing Application Coordinator (ADPAC), and other healthcare staff for managing, dispensing, and administering medications to the patients within the hospital. The main text of the manual outlines patients' ordering options for new and existing orders, editing options, output options, and inquiry options.

The Inpatient Medications documentation is comprised of several manuals. These manuals are written as modular components and can be distributed independently and are listed below.

Nurse's User Manual V. 5.0
Pharmacist's User Manual V. 5.0
Supervisor's User Manual V. 5.0
Technical Manual/Security Guide V. 5.0
Pharmacy Ordering Enhancements (POE) Phase 2 Release Notes V. 1.0
Pharmacy Ordering Enhancements (POE) Phase 2 Installation Guide V. 1.0

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The following are the different items used for the order checks:

- Checks each Dispense Drug within the Unit Dose order for allergy/adverse drug reactions.

- Checks each Dispense Drug within the Unit Dose order against existing orders for drug-drug interaction, duplicate drug, and duplicate class.

- Checks each additive within an IV order for drug-drug interaction, duplicate drug, and duplicate class against solutions or other additives within the order.

- Checks each IV order solution for allergy/adverse reactions.

- Checks each IV order solution for drug-drug interaction against other solutions or additives within the order.

- Checks each IV order additive for allergy/adverse reaction.

- Checks each IV order additive for drug-drug interaction, duplicate drug, and duplicate class against existing orders for the patient.

- Checks each IV order solution for drug-drug interaction against existing orders for the patient.

Override capabilities are provided based on the severity of the order check, if appropriate.

Order Checks warnings will be displayed/processed in the following order:

- Duplicate drug or class

- Critical or significant drug-drug interactions

- Critical or significant drug-allergy interactions

These checks will be performed at the Dispense Drug level. Order checks for IV orders will use the Dispense Drugs linked to each additive/solution in the order. All pending, non-verified, active and renewed Inpatient orders, active Outpatient orders and active Non-Veterans Affairs (VA) Meds documented in CPRS will be included in the check. In addition, with the release of OR*3*238, order checks will be available using data from the Health Data Repository Historical (HDR-Hx) and the Health Data Repository Interim Messaging Solution (HDR-IMS). This will contain both Outpatient orders from other VAMCs as well as from Department of Defense (DoD) facilities, if available. Any remote Outpatient order that has been expired for 120 days or less will be included in the list of medications to be checked.

There is a slight difference in the display of local Outpatient orders compared with remote Outpatient orders. Below are examples of the two displays:

Example: Local Outpatient Order Display

```
The patient has this Outpatient order:

------------------------------------------------------------------------------
              Rx #: 40074          PHENYTOIN 100MG (Extended) CAP
            Status: Active                   Issued: 07/11/05
               SIG: TAKE ONE CAPSULE BY MOUTH TWICE A DAY
               QTY: 60                    # of refills: 11
          Provider: PSOPROVIDER,ONE     Refills remaining: 11
                                          Last filled on: 07/11/05
                                             Days Supply: 30
------------------------------------------------------------------------------
```

Example: Remote Outpatient Order Display

```
------------------------------------------------------------------------------
DAYTON         Rx #: 2663878           WARFARIN NA 10MG TAB
            Status: ACTIVE                      Issued: 07/11/05
               SIG:     TAKE ONE-HALF TABLET BY MOUTH BEFORE BREAKFAST --TO
                        THIN BLOOD--
               QTY: 4
          Provider: PSOPROVIDER,TWO       Refills remaining: 0
                                           Last filled on: 07/11/05
                                              Days Supply: 1

------------------------------------------------------------------------------
```

In the Remote Outpatient Order Display example above, notice the name of the remote location has been added. In addition, the number of refills is not available.

If the order is entered by the Orderable Item only, these checks will be performed at the time the Dispense Drug(s) is specified. The checks performed include:

- **Duplicate Drug** - If the patient is already receiving an order containing the Dispense Drug selected for the new order, the duplicate order will be displayed and the user will be asked whether or not to continue. Entry of duplicate drugs will be allowed. Only Additives will be included in the duplicate drug check for IV orders. The solutions are excluded from this check.

- **Duplicate Class** - If the patient is already receiving an order containing a Dispense Drug in the same class as one of the Dispense Drugs in the new order, the order containing the drug in that class will be displayed and the user will be asked whether or not to continue. Entry of drugs in the same class will be allowed.

- **Drug-Drug Interactions** - Drug-drug interactions will be either critical or significant. If the Dispense Drug selected is identified as having an interaction with one of the drugs the patient is already receiving, the order the new drug interacts with will be displayed.

- **Drug-Allergy Interactions** - Drug-allergy interactions will be either critical or significant. If the Dispense Drug selected is identified as having an interaction with one of the patient's allergies, the allergy the drug interacts with will be displayed.

Note: For a Significant Interaction, the user who holds the PSJ RPHARM key is allowed to enter an intervention, but one is not required. For a Critical Interaction, the user who holds the PSJ RPHARM key must enter an intervention before continuing.

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